

# **United States Update**

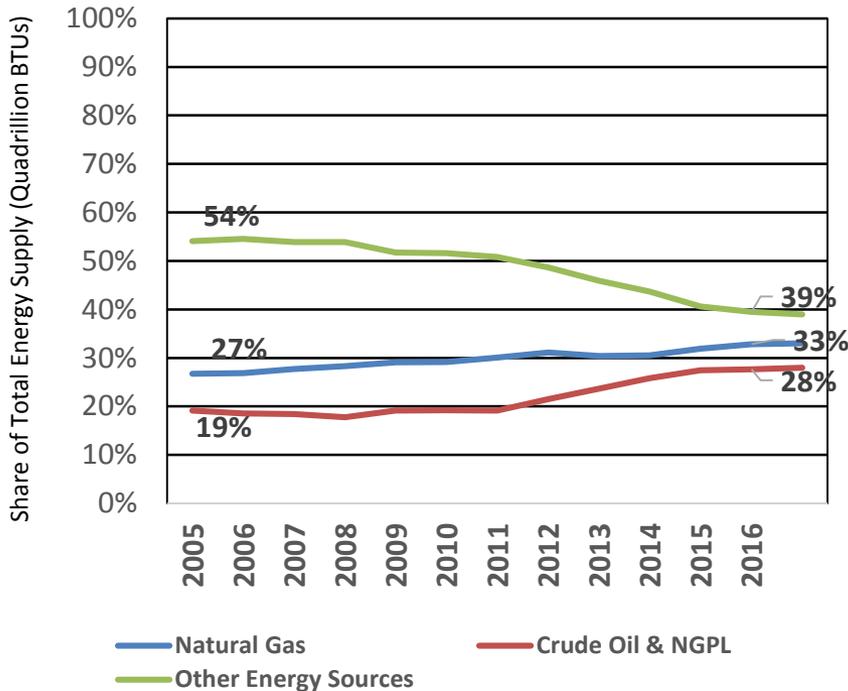
# **OIL AND GAS SECURITY**

**Cameron Salony**  
**Deputy Director**  
**DOE-Japan Office**

# Oil and Gas Supply and Demand Situation

## Domestic Primary Supply 2005 – 2016

69 Quad. BTU                      84 Quad. BTU



Annual growth rate:

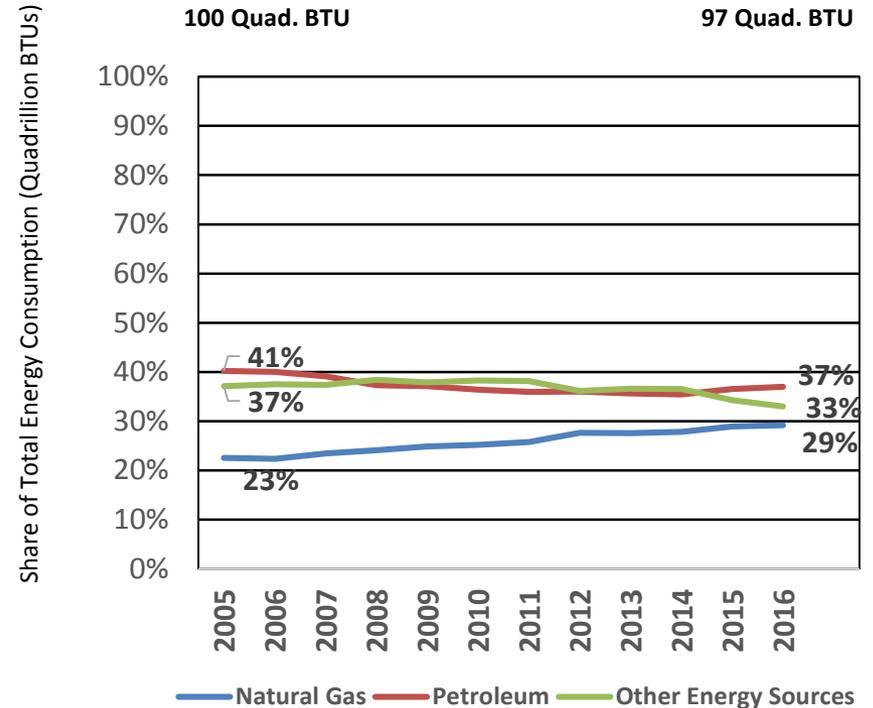
“Natural Gas” grew 3.3% per year

“Crude Oil & NGPL” grew 5.0% per year

“Other Energy Sources” declined 1.0% per year

## Final Energy Demand 2005 – 2016

100 Quad. BTU                      97 Quad. BTU



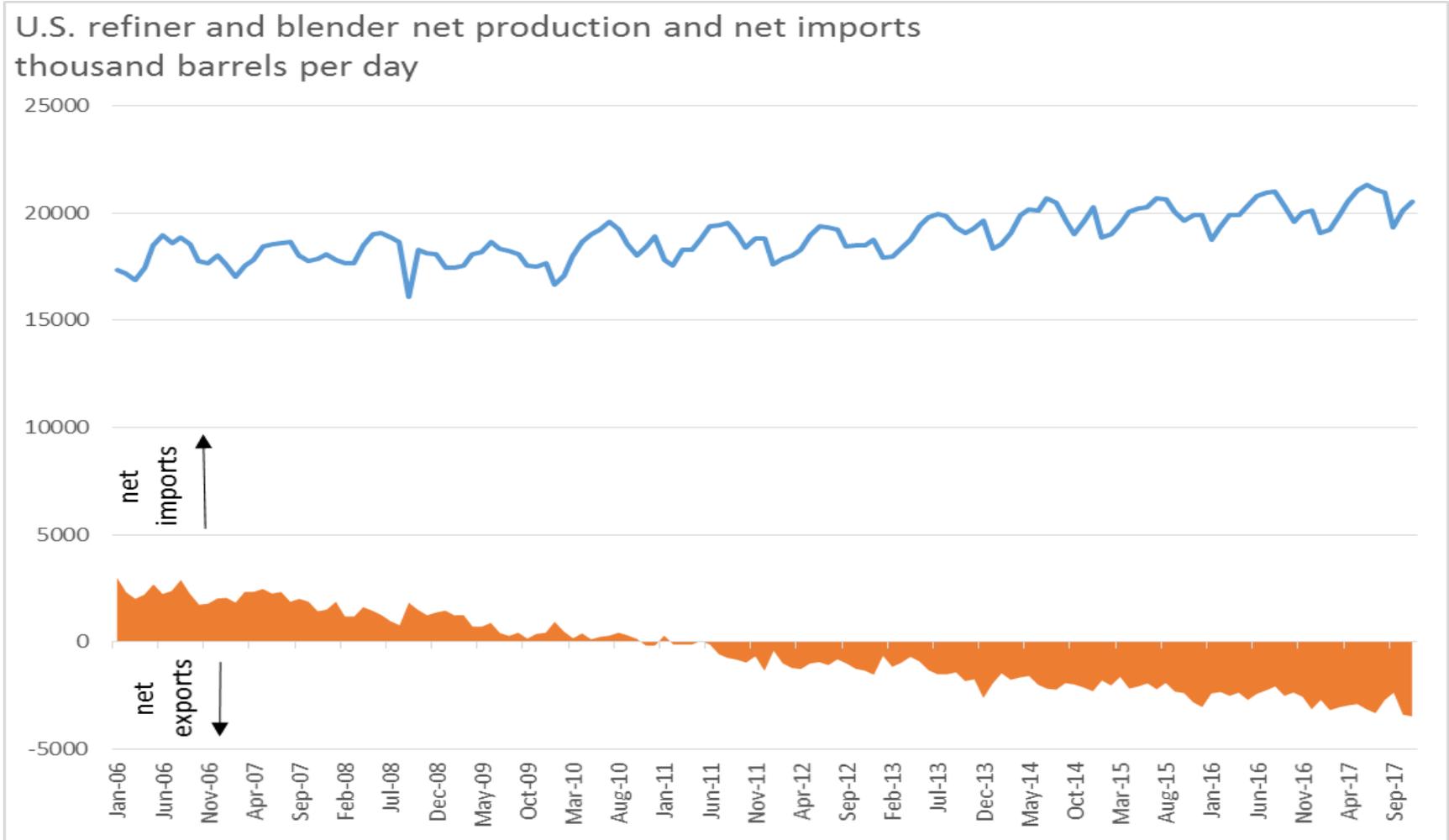
Annual growth rate:

“Natural Gas” grew 2.0% per year

“Petroleum” declined 1.0% per year

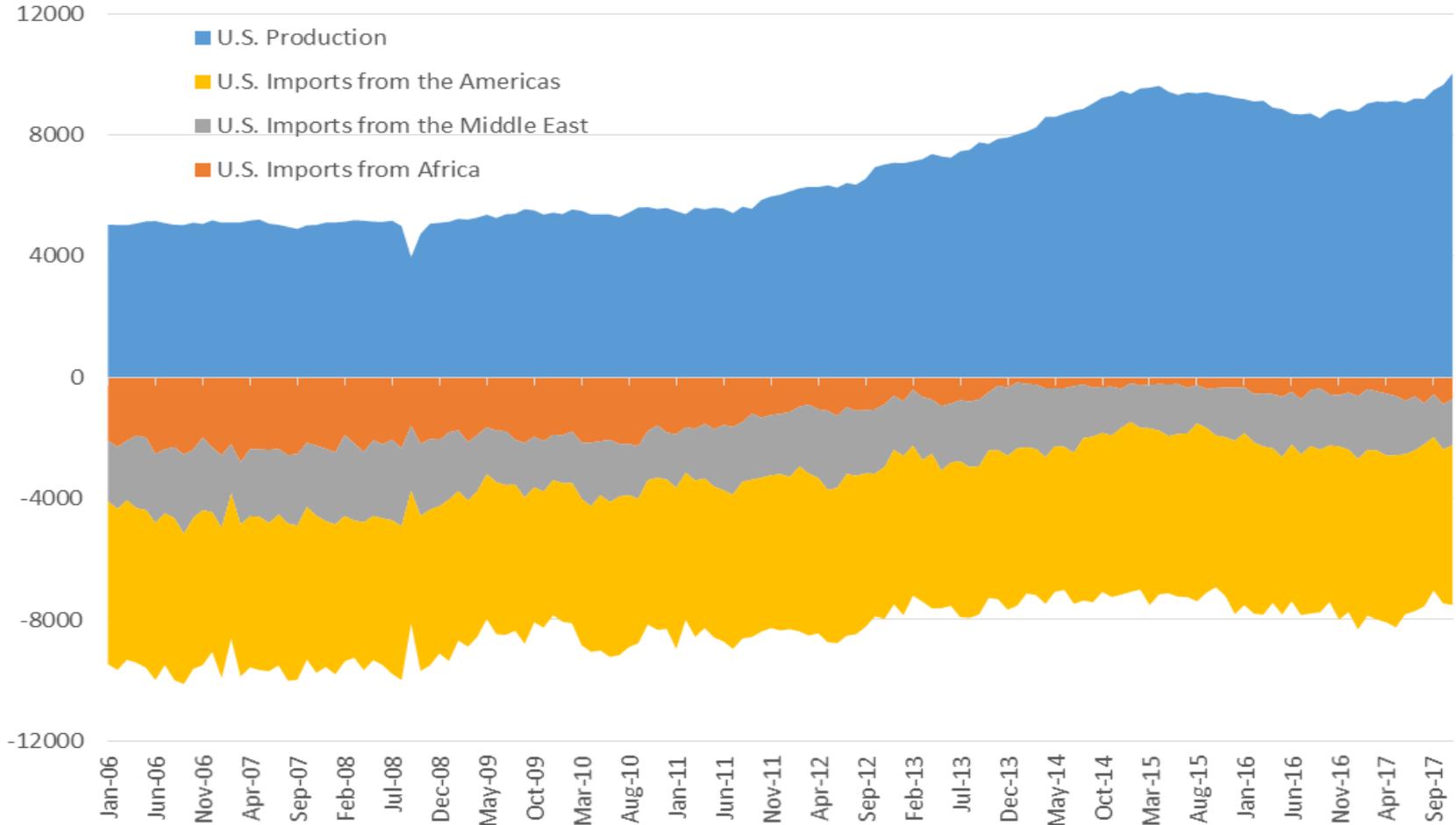
“Other Energy Sources” declined 1.0% per year

# Oil and Gas Supply and Demand Situation



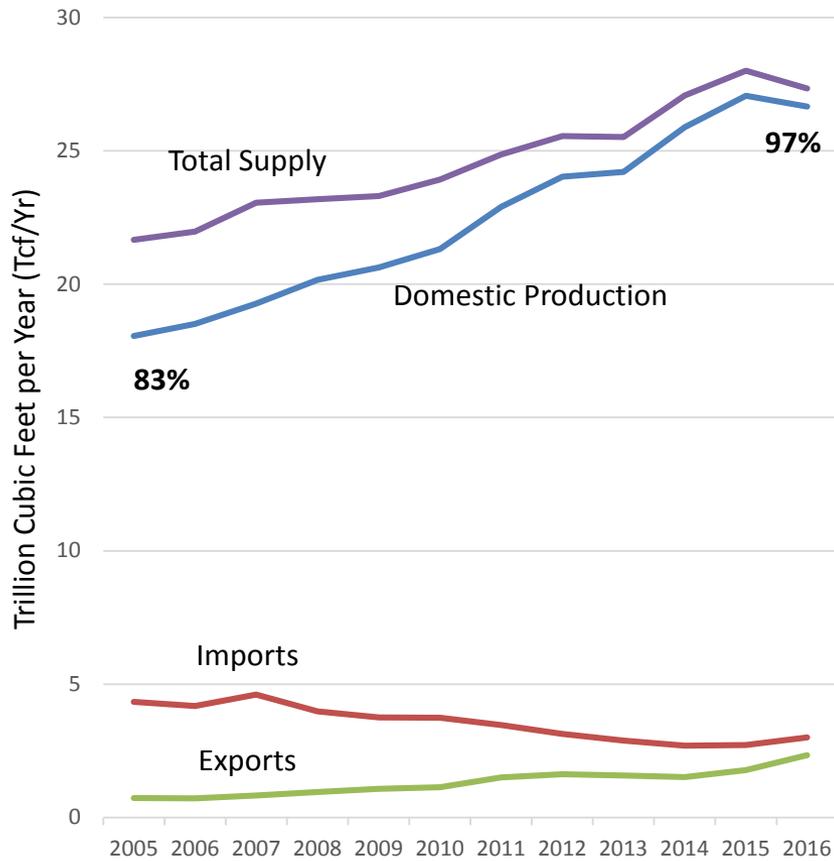
# Oil and Gas Supply and Demand Situation

U.S. crude oil production and imports from selected regions  
thousand barrels per day

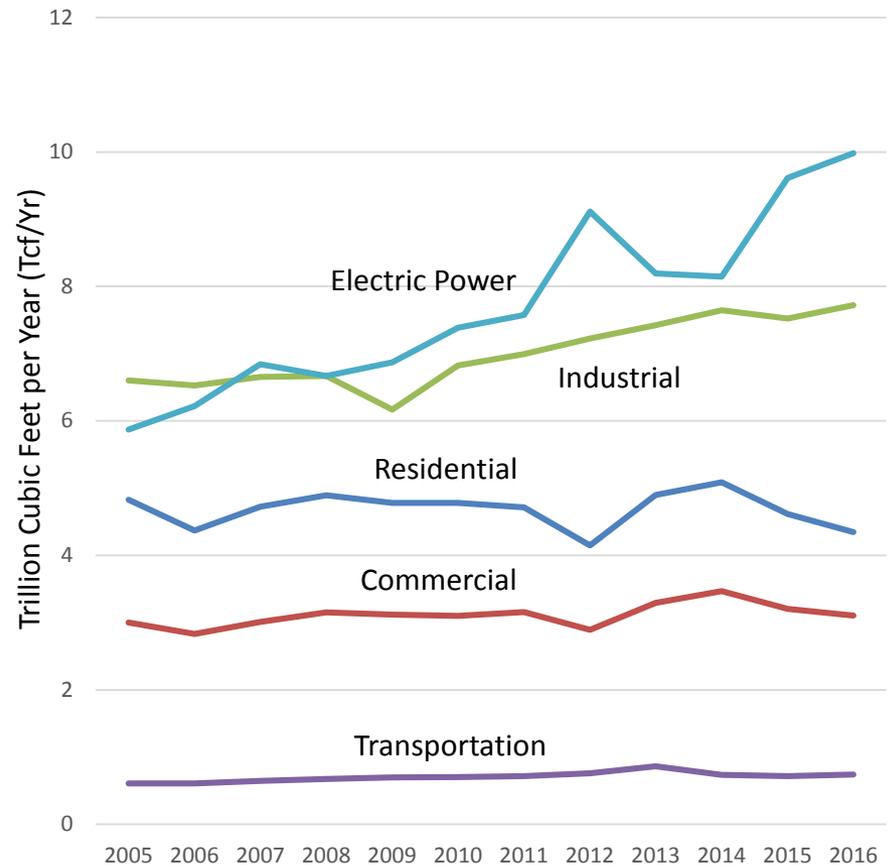


# Oil and Gas Supply and Demand Situation

## Natural Gas Production, Imports And Exports 2005 - 2016



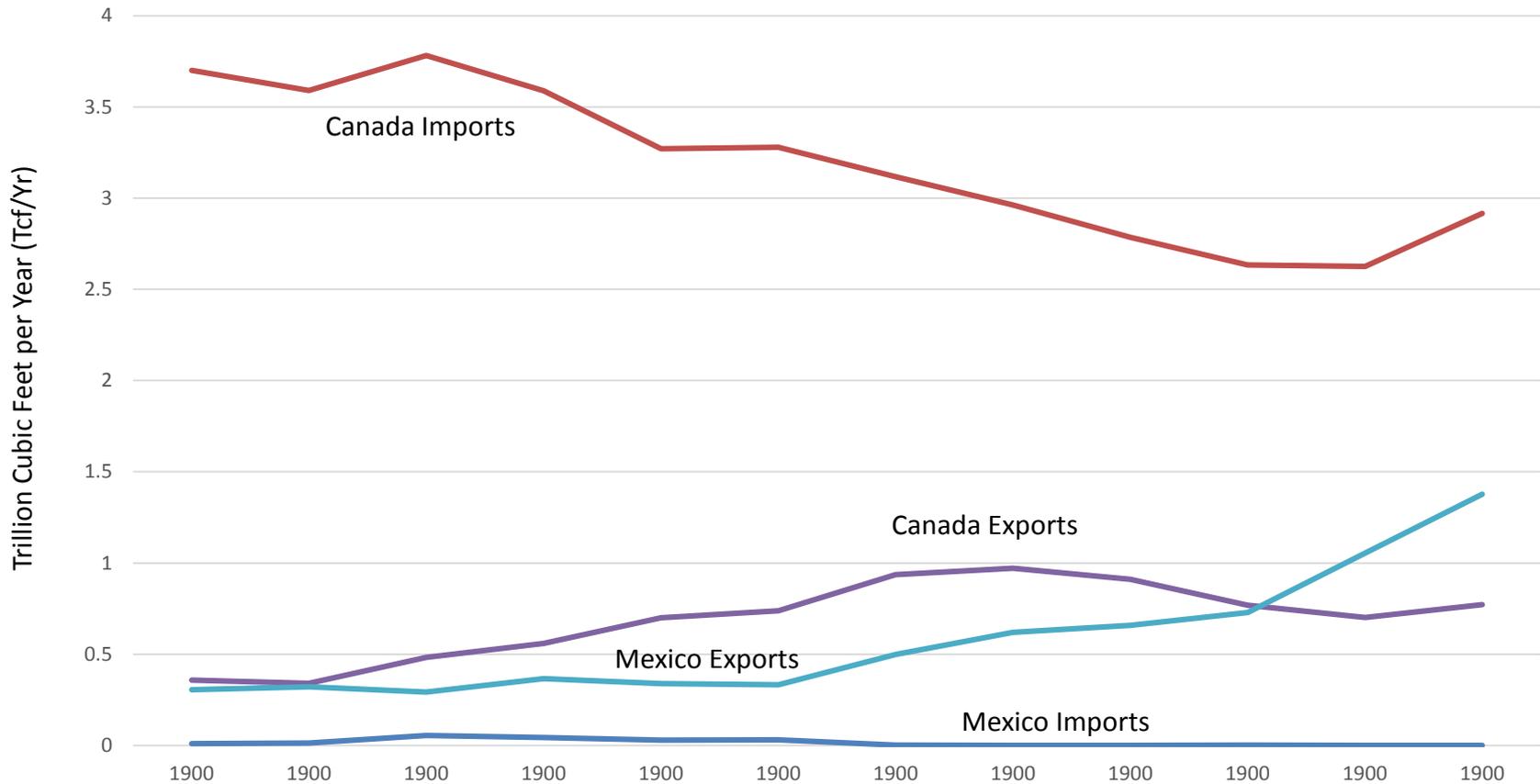
## Natural Gas Consumption by Sector 2005 - 2016



# Oil and Gas Supply and Demand Situation

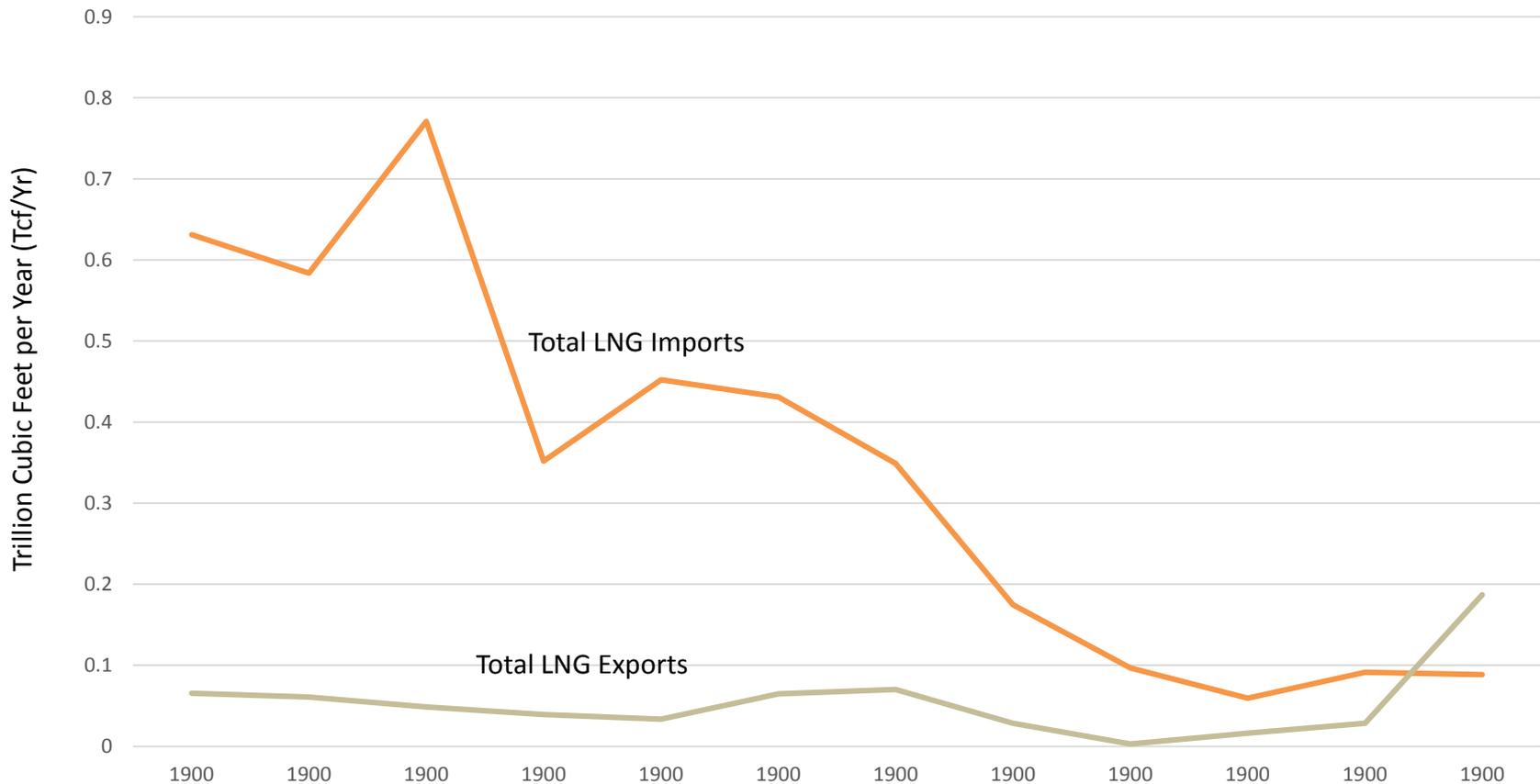
United States

## Natural Gas Pipeline Imports and Exports 2005 - 2016



# Oil and Gas Supply and Demand Situation

## Liquefied Natural Gas (LNG) Imports and Exports 2005 - 2016



# Oil and Gas Security Policy

- Major developments in Strategic Petroleum Reserve (SPR) Policy
  - SPR Crude Oil Sales
    - Bipartisan Budget Act of 2015
      - 58 million barrels 2018-2025
      - \$2 Billion for SPR modernization 2017-2025
    - Fixing America's Surface Transportation (FAST) Act
      - 66 million barrels 2023-2025
    - Public Law 115-97
      - 7 million barrels 2026 – 2027
    - Bipartisan Budget act 2018
      - 30 million barrels 2022 – 2025
      - 70 million barrels 2026 – 2027
    - SPR inventory cannot be drawn down below 350 millions barrels
  - SPR Modernization
    - SPR Life Extension: Upgrade/replace critical systems and equipment
    - Marine Terminal Distribution Capability Enhancements Project: Improve SPR distribution capability through additional dedicated marine terminal capacity
  - SPR Long-Term Strategic Review – May 2016

## Regional Engagement

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As highlighted in the EWG Strategic Plan for 2014-2018, key collaborative efforts to promote regional oil and gas supply security should include the following:

- Improving the quality, availability, and accessibility of energy data and projections.
- Developing emergency response mechanisms and relevant data that can address both safety as well as short-term disruptions in energy supply.
- Encouraging the removal of inefficient fossil fuel subsidies that promote wasteful consumption while recognizing the importance of providing those in need with essential energy services.
- Continuously assessing fossil fuel resources in the APEC region and assist economies in effectively bringing those resources sustainably to market.
- Undertaking analysis, research, and demonstration to understand the water-energy nexus, share best practices and address associated challenges.

**Thank you very much...**